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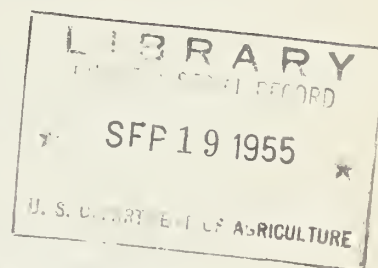
ARS 53-5

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UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE

X  
Meat Production Performance Test,

1953-54 X



The Meat Production Performance Test was adopted as an optional section of the National Poultry Improvement Plan at the 1950 Conference. It is available to any participant and to any type of breeding program. It consists of (1) a ten-week growing test period for chicks, (2) a 300-day egg production test on the female parent stock and (3) a measure of hatchability. The detailed provisions of the test are contained in Miscellaneous Publication 300 a copy of which may be obtained from your Official State Agency or from Animal & Poultry Husbandry Research Branch, Agricultural Research Center, Beltsville, Maryland.

The purpose of the Meat Production Performance Test is (1) to give recognition to the breeder for his efforts in improving meat qualities and (2) to make available to prospective purchasers comparable performance data as an aid in selecting good sources of chicks or breeding stock for commercial broiler production.

The summary which follows is a compilation of reports submitted by Official State Agencies covering the fourth test. These data are based on the performance of officially selected random samples of the entrants' stock.

The names and addresses of the State Supervisors in charge of the test in their respective States are as follows:

Arkansas - Lowell T. Lankford, University of Arkansas, Box 391,  
Little Rock

Ohio - Robert Hocker, Poultry Dept., Ohio State University,  
Columbus 10

Texas - Bill Doran, Texas A & M College, College Station

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Information in this report, previously designated as A.H.D. 141, was prepared by the Animal and Poultry Husbandry Research Branch, U.S. Agricultural Research Service.



Entry	Breed or Cross	Chicks		Pullets		Cockerels		Cockerels Dressed															300-day Laying Test					Hatch- abili- ty %	NPIP Class	
		Start ed	Mortal- ity 10 wks. %	Av.wt. 10 wks. lbs.	Vari- abil- ity 4/ %	Av.wt. 10 wks. lbs.	Vari- abil- ity 4/ %	No.	Average Weight			Av. Breast Angle degree	Av. Keel Length inches	Carcass grade based on									Re- ject- ed No.	Hens No.	Mor- tality %	Av. egg production				Av. Egg Wt. oz.
									Live lbs.	Dress- ed lbs.	Eviscer- ated lbs.			Fleshing			Finish			Feathering						Hen Housed %	Hen Day %			
														A %	B %	C %	A %	B %	C %	A %	B %	C %								
1/ Arkansas Farmers Assn. Fayetteville, Arkansas	3/  DW X NH	6/ 290	27.2	2.6	14.9	3.3	16.3	92	3.3	2.9	2.2	82.0	3.9	82	14	4	80	15	5	100	0	0	0	100	16.0	46.6	57.7	25.6	77.0	APP
		7/ 300	0.7	2.6	14.8	3.4	11.0	126	3.4	2.9	2.2	88.0	4.1	100	0	0	100	0	0	100	0	0	0							
1/ Arkansas Farmers Assn. Fayetteville, Arkansas	NH	6/ 290	23.4	2.6	15.5	3.2	17.8	111	3.2	2.9	2.2	83.0	3.9	76	18	6	77	17	6	100	0	0	1	100	16.0	46.6	57.7	25.6	77.0	APP
2/ Golden Oak Farms DeLeon, Texas	WPR	300	10.3	2.5	12.6	3.1	11.9	50	3.3	2.8	2.2	69.6	3.8	80	16	4	88	12	0	96	4	0	0	248	11.7	51.4	55.6	25.4	84.5	APC
Holtzapple Poultry Farm Elida, Ohio	WPR	300	5.4	3.1	10.2	3.9	10.2	54	3.8	3.5	3.0	77.6	4.0	81	17	2	74	24	2	98	2	0	0	404	21.6	53.1	57.4	25.9	76.0	APC
2/ Ideal Poultry Farm Cameron, Texas	NH	300	6.0	2.7	10.9	3.3	10.2	50	3.5	3.0	2.4	73.4	3.9	76	20	4	90	10	0	94	6	0	0	189	15.9	48.0	51.3	25.1	68.2	APC
Noble Hatchery Caldwell, Ohio	NH	300	2.0	2.7	12.5	3.3	13.2	51	3.3	2.9	-	71.2	3.8	55	43	2	45	55	0	86	14	0	0	349	4.0	51.9	52.9	25.2	85.0	APC
1/ Thompson's Hatchery Pottsville, Arkansas	Comish X WPR	6/ 290	17.6	2.5	20.0	3.1	10.6	60	3.1	2.8	2.2	89.0	3.9	97	3	0	97	3	0	100	0	0	0	184	9.2	39.0	40.8	25.7	79.7	APC
		7/ 300	0.0	2.5	13.5	3.1	10.6	108	3.1	2.7	2.1	94.0	4.0	100	0	0	100	0	0	100	0	0	0							
1/ Thompson's Hatchery Pottsville, Arkansas	WPR	6/ 290	24.5	2.6	14.6	3.2	12.5	79	3.2	2.9	2.2	88.0	3.9	92	8	0	92	8	0	99	1	0	0	184	9.2	39.0	40.8	25.7	79.7	APC
1/ University of Arkansas Fayetteville, Arkansas	U-Ark X NH	7/ 300	1.0	2.5	11.4	3.2	10.7	153	3.2	2.8	2.1	92.0	4.2	99	1	0	99	1	0	100	0	0	0	100	5.0	41.2	42.4	25.6	74.2	APC
1/ University of Arkansas Fayetteville, Arkansas	WW X NH	6/ 290	20.0	2.7	18.5	3.2	14.9	93	3.2	2.9	2.2	83.0	3.9	78	19	3	83	15	2	100	0	0	0	100	5.0	41.2	42.4	25.6	74.2	APC
		7/ 300	2.7	2.7	9.7	3.3	11.5	143	3.3	2.9	2.2	91.0	4.1	99	1	0	100	0	0	100	0	0	0							
2/ Wilson Poultry Farm Clyde, Texas	NH	300	5.3	2.7	10.0	3.5	10.1	50	3.5	3.1	2.4	73.5	4.0	68	30	2	82	18	0	76	24	0	0	454	41.4	40.0	53.5	25.8	79.9	APC

## Footnotes

1/ Growing test conducted at a central location in Arkansas

2/ Growing test conducted at a central location in Texas

3/ DW X NH = A.F.A. Dominant White males X New Hampshire females

NH = New Hampshire

WPR = White Plymouth Rock

Cornish X WPR = Thompson's Cornish males X White Plymouth Rock females

U-Ark X NH = U-Ark (dominant white) male X New Hampshire females

WW X NH = White Wyandotte males X NH females

4/ Expressed as the coefficient of variation. As the uniformity of the sample increases the numerical value of the coefficient of variation decreases.

5/ APP = U. S. Approved, Pullorum-Passed  
APC = U. S. Approved, Pullorum-Clean

6/ First growing test, completed April 8, 1954

7/ Second growing test, completed June 22, 1954

